1145-76-832 **Eitan Tadmor*** (tadmor@math.umd.edu), Department of Mathematics, University of Maryland, College Park, MD 20742. *The emergence of higher-order structures in hydrodynamic flocking.*

We discuss the large-time behavior of different hydrodynamic models for collective dynamics driven by alignment. In particular, we address the central question how short-range interactions lead, over time, to the emergence of flocking in one- and multi-species dynamics. (Received September 15, 2018)